

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

5-11-81  
T2  
PY

Application of: Lubenow et al.

Serial No.: not yet assigned

Filed: concurrently herewith

Entitled: METHODS FOR SEPARATING  
PARTICULATE SUBSTRATES FROM  
SOLUTION WHILE MINIMIZING  
PARTICLE LOSS

Attorney Docket No.: QGN-004.0.0 US-1

Examiner: not yet assigned

Art Unit: not yet assigned

10979 U.S. PTO  
09/812541  
03/20/01



Assistant Commissioner for Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.56, 1.97 AND 1.98**

Dear Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants submit this Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.97 and 1.98 in the above-identified application for consideration by the Patent Office. A listing of the cited documents is also enclosed, as well as, for the Examiner's convenience, copies of the documents in the list.

Pursuant to 37 C.F.R. § 1.97(b)(3), because this Statement is being submitted before the first Office Action on the merits, no fee is required.

**US Patents**

US Patent 4,009,213, issued February 22, 1977; Stein et al.

US Patent 4,877,830, issued October 31, 1989; Döbeli et al.

US Patent 5,047,513, issued September 10, 1991; Döbeli et al.

US Patent 5,128,103, issued July 7, 1992; Wang et al.

US Patent 5,147,529, issued September 15, 1992; Lee et al.

US Patent 5,439,829, issued August 8, 1995; Anderson et al.

US Patent 5,458,785, issued October 17, 1995; Howe et al.

US Patent 5,466,577, issued November 14, 1995; Weisburg

US Patent 5,646,016, issued July 8, 1997; McCoy et al.

US Patent 5,798,442, issued August 25, 1998; Gallant et al.

US Patent 5,942,391, issued August 24, 1999; Zhang et al.

**Foreign Patent Applications**

EPO Publication No. EP 0 691 541, published 10 January, 1996.

PCT Publication No. WO 96/31781, published 10 October, 1996.

PCT Publication No. WO 97/44671, published 27 November, 1997.

PCT Publication No. WO 97/31105, published 28 August, 1997.

**Other Publications**

Helenius et al., "Properties of Detergents" *In Methods in Enzymology*, Vol. 56, pp. 734-739 (Academic Press, Inc., New York, 1979).

Hochuli et al., *Bio/Technology*, 6: 1321-1325 (1988).

Lönnerdal et al., *J. Appl. Biochem.*, 4:203-208 (1982).

Neugebauer, Judith M., "Detergents: An Overview", *In Methods in Enzymology*, Vol. 182, pp. 239-253 (Academic Press, Inc., New York, 1990).

Ni-NTA Magnetic Agarose Beads Handbook, (QIAGEN, Hilden, Germany, printed June 1998, distributed August 1998).

Porath et al., *Nature*, 258: 598-599 (1975).

Sulkowski, Eugene, *Trends in Biotechnology*, 3:1-7 (1985).

Applicants do not intend to represent that any of the documents submitted herein is material prior art to this invention or that the list represents an exhaustive search of documents related to this invention.

Applicants respectfully request that the documents submitted herein be considered and made of record in this application.

Respectfully submitted,



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